

Species Tag:	46012	Species Name:	HOC-13-O+
Version:	1		Protonated $^{13}\text{CO}_2$
Date:	March 1995		
Contributor:	H. M. Pickett		
Lines Listed:	1735	$Q(300.0)=$	2372.466
Freq. (GHz) <	9983	$Q(225.0)=$	1694.338
Max. J:	30	$Q(150.0)=$	998.160
LOGSTR0=	-7.9	$Q(75.00)=$	365.763
LOGSTR1=	-8.0	$Q(37.50)=$	129.658
Isotope Corr.:	0.0	$Q(18.75)=$	46.720
Egy. (cm^{-1}) >	0.0	$Q(9.375)=$	19.266
$\mu_a =$	2.0	A=	789184.928
$\mu_b =$	2.8	B=	10772.897
$\mu_c =$		C=	10608.499

The line measurements are from M. Bogey, C. Demuynk, J. L. Destombes, and A. Krupnov, 1988, J. Mol. Struct. **190**, 465 and M. Bogey, C. Demuynk, and J. L. Destombes, 1986, J. Chem. Phys. **84**, 10. The dipole moments are based on calculations by S. Green *et al.*, 1976, Chem. Phys. **17**, 479, but have not been corrected for any shift in inertial axes with substitution.